

\*\*\*\*\* CONFIDENTIAL \*\*\*\*\*

\*\*\*\*\* PREDECISIONAL DOCUMENT \*\*\*\*\*

\*\*\*\*\* SUMMARY SCORESHEET \*\*\*\*\*

\*\*\*\*\* FOR COMPUTING PROJECTED HRS SCORE \*\*\*\*\*

\*\*\*\*\* Do Not Cite or Quote \*\*\*\*\*

SDMS Document



117641

Site Name: Celia's Laundry

City, County: San Juan

Evaluator: Miriam Ortiz

EPA ID #: PR00002196368

Date: 2/17/05

Lat/Long: 18.4200 N 66.0630 W

T/R/S:

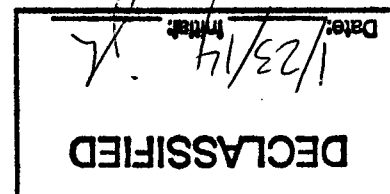
Congressional District:

This Scoresheet is for a: SI

	S pathway	$S^2$ pathway
Groundwater Migration Pathway Score (Sgw)	100.00	10,000.00
Surface Water Migration Pathway Score (Ssw)	0.00	0.00
Soil Exposure Pathway Score (Ss)	0.70	0.49
Air Migration Score (Sa)		
$\frac{S_{gw}^2 + S_{sw}^2 + S_s^2 + S_a^2}{4}$		0,000.49
$\frac{(S_{gw}^2 + S_{sw}^2 + S_s^2 + S_a^2)}{4}$		2,500.12
$\sqrt{\frac{(S_{gw}^2 + S_{sw}^2 + S_s^2 + S_a^2)}{4}}$		50.00

\* Pathways not assigned a score (explain):

\*\*\*\*\* Do Not Cite or Quote \*\*\*\*\*



## GROUNDWATER MIGRATION PATHWAY SCORESHEET

Aquifer Evaluated:

Factor Categories and Factors	<u>Maximum Value</u>	<u>Value Assigned</u>
<b>Likelihood of Release to an Aquifer:</b>		
1. Observed Release	550	550.00
2. Potential to Release		
2a. Containment	10	10.00
2b. Net Precipitation	10	10.00
2c. Depth to Aquifer	5	5.00
2d. Travel Time	35	35.00
2e. Potential to Release [Lines 2a x (2b + 2c + 2d)]	500	500.00
3. Likelihood of Release [Higher of Lines 1 or 2e]	550	550.00
<b>Waste Characteristics:</b>		
4. Toxicity/Mobility	(a)	0.20
5. Hazardous Waste Quantity	(a)	100.00
6. Waste Characteristics [Lines 4 x 5, then use Table 2-7]	100	2.00
<b>Targets</b>		
7. Nearest Well	50	45.00
8. Population		
8a. Level I Concentrations	(b)	0.00
8b. Level II Concentrations	(b)	1,580,000.00
8c. Potential Contamination	(b)	29,400.00
8d. Population [Lines 8a + 8b + 8c]	(b)	1,609,400.00
9. Resources	5	0.00
10. Wellhead Protection Area	20	0.00
11. Targets [Lines 7 + 8d + 9 + 10]	(b)	1,609,445.00
<b>Ground Water Migration Score for an Aquifer:</b>		
12. Aquifer Score [(Lines 3 x 6 x 11)/82,500]	c	
	100	100.00
<b>Groundwater Migration Pathway Score</b>		
13. Pathway Score (Sgw)	c	
[Highest value from Line 12 for all aquifers evaluated]	100	100.00

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- a Maximum value applies to waste characteristics category.
- b Maximum value not applicable.
- c Do not round to the nearest integer.
- d Use additional tables.

# **SURFACE WATER OVERLAND/FLOOD MIGRATION COMPONENT SCORESHEET**

Watershed Evaluated:

Factor categories and factors	Maximum Value	Value Assigned
<b>Drinking Water Threat</b>		
<b>Likelihood of Release:</b>		
1. Observed Release	550	0.00
2. Potential to Release by Overland Flow:		
2a. Containment	10	10.00
2b. Runoff	25	15.00
2c. Distance to Surface Water	25	6.00
2d. Potential to Release by Overland Flow (lines 2a[2b+2c])	500	210.00
3. Potential to Release by Flood:		
3a. Containment (Flood)	10	10.00
3b. Flood Frequency	50	7.00
3c. Potential to Release by Flood (lines 3a x 3b)	500	70.00
4. Potential to Release (lines 2d+3c, subject to a maximum of 500)	500	280.00
5. Likelihood of Release (higher of lines 1 and 4)	550	280.00
<b>Waste Characteristics:</b>		
6. Toxicity/Persistence	(a)	10,000.00
7. Hazardous Waste Quantity	(a)	10.00
8. Waste Characteristics	100	18.00
<b>Targets:</b>		
9. Nearest Intake	50	0.00
10. Population		
10a. Level I Concentrations	(b)	0.00
10b. Level II Concentrations	(b)	0.00
10c. Potential Contamination	(b)	0.00
10d. Population (lines 10a+10b+10c)	(b)	0.00
11. Resources	5	0.00
12. Targets (lines 9+10d+11)	(b)	0.00
<b>Drinking Water Threat Score:</b>		
13. Drinking Water Threat Score ([lines 5x8x12]/82,500, subject to a maximum of 100)	100	0.00
<b>Human Food Chain Threat</b>		
<b>Likelihood of Release:</b>		
14. Likelihood of Release (same value as line 5)	550	280.00
<b>Waste Characteristics:</b>		
15. Toxicity/Persistence/Bioaccumulation	(a)	200,000,000.00
16. Hazardous Waste Quantity	(a)	10.00
17. Waste Characteristics	1,000	180.00
<b>Targets:</b>		
18. Food Chain Individual	50	0.00
19. Population		
19a. Level I Concentrations	(b)	0.00
19b. Level II Concentrations	(b)	0.00
19c. Potential Human Food Chain Contamination	(b)	0.00
19d. Population (lines 19a+19b+19c)	(b)	0.00
20. Targets (lines 18+19d)	(b)	0.00
<b>Human Food Chain Threat Score:</b>		
21. Human Food Chain Threat Score ([lines 14x17x20]/82,500, subject to a maximum of 100)	100	0.00
<b>Environmental Threa</b>		
<b>Likelihood of Release:</b>		
22. Likelihood of Release (same value as line 5)	550	280.00
<b>Waste Characteristics:</b>		
23. Ecosystem Toxicity/Persistence/Bioaccumulation	(a)	200,000,000.00
24. Hazardous Waste Quantity	(a)	10.00
25. Waste Characteristics	1,000	180.00
<b>Targets:</b>		
26. Sensitive Environments		
26a. Level I Concentrations	(b)	0.00
26b. Level II Concentrations	(b)	0.00
26c. Potential Contamination	(b)	0.00
26d. Sensitive Environments (lines 26a+26b+26c)	(b)	0.00
27. Targets (value from line 26d)	(b)	0.00
<b>Environmental Threat Score:</b>		
28. Environmental Threat Score ([lines 22x25x270]/82,500, subject to a maximum of 60)	60	0.00
<b>Surface Water Overland/Flood Migration Component Score for a Watershed</b>		
29. Watershed Score (c) (lines 13+21+28, subject to a maximum of 100)	100	0.00
<b>Surface Water Overland/Flood Migration Component Score</b>		
30. Component Score (Sof)(c) (highest score from line 29 for all watersheds evaluated, subject to a maximum of 100)		0.00

a Maximum value applies to waste characteristics category.

b Maximum value not applicable.

c Do not round to nearest integer.

## GROUND WATER TO SURFACE WATER MIGRATION COMPONENT SCORESHEET

Watershed Evaluated: \_\_\_\_\_

Factor categories and factors	Maximum Value	Value Assigned
<b>Drinking Water</b>		
<b>Likelihood of Release to Aquifer:</b>		
1. Observed Release	550	550.00
2. Potential to Release:		
2a. Containment	10	10.00
2b. Net Precipitation	10	10.00
2c. Depth to Aquifer	5	5.00
2d. Travel Time	35	35.00
2e. Potential to Release (lines 2a[2b+2c+2d])	500	500.00
3. Likelihood of Release (higher of lines 1 and 2e)	550	550.00
<b>Waste Characteristics:</b>		
4. Toxicity/Mobility/Persistence	(a)	0.20
5. Hazardous Waste Quantity	(a)	100.00
6. Waste Characteristics	100	2.00
<b>Targets:</b>		
7. Nearest Intake	50	0.00
8. Population		
8a. Level I Concentrations	(b)	0.00
8b. Level II Concentrations	(b)	0.00
8c. Potential Contamination	(b)	0.00
8d. Population (lines 8a+8b+8c)	(b)	0.00
9. Resources	5	0.00
10. Targets (lines 7+8d+9)	(b)	0.00
<b>Drinking Water Threat Score:</b>		
11. Drinking Water Threat Score ([lines 3x6x10]/82,500, subject to a maximum of 100)	100	0.00
<b>Human Food Chain Threat</b>		
<b>Likelihood of Release:</b>		
12. Likelihood of Release (same value as line 3)	550	550.00
<b>Waste Characteristics:</b>		
13. Toxicity/Mobility/Persistence/Bioaccumulation	(a)	1,000.00
14. Hazardous Waste Quantity	(a)	100.00
15. Waste Characteristics	1,000	18.00
<b>Targets:</b>		
16. Food Chain Individual	50	0.00
17. Population		
17a. Level I Concentrations	(b)	0.00
17b. Level II Concentrations	(b)	0.00
17c. Potential Human Food Chain Contamination	(b)	0.00
17d. Population (lines 17a+17b+17c)	(b)	0.00
18. Targets (lines 16+17d)	(b)	0.00
<b>Human Food Chain Threat Score:</b>		
19. Human Food Chain Threat Score ([lines 12x15x18]/82,500, subject to a maximum of 100)	100	0.00
<b>Environmental</b>		
<b>Likelihood of Release: Threat</b>		
20. Likelihood of Release (same value as line 3)	550	550.00
<b>Waste Characteristics:</b>		
21. Ecosystem Toxicity/Mobility/Persistence/Bioaccumulation	(a)	100.00
22. Hazardous Waste Quantity	(a)	100.00
23. Waste Characteristics	1,000	10.00
<b>Targets:</b>		
24. Sensitive Environments		
24a. Level I Concentrations	(b)	0.00
24b. Level II Concentrations	(b)	0.00
24c. Potential Contamination	(b)	0.00
24d. Sensitive Environments (lines 24a+24b+24c)	(b)	0.00
25. Targets (value from line 24d)	(b)	0.00
<b>Environmental Threat Score:</b>		
26. Environmental Threat Score ([lines 20x23x25]/82,500, subject to a maximum of 60)	60	0.00
<b>Ground Water to Surface Water Migration Component Score for a Watershed</b>		
27. Watershed Score (c) (lines 11+19+26, subject to a maximum of 100)	100	0.00
<b>Ground Water to Surface Water Migration Component Score</b>		
28. Component Score (Sgs)(c) (highest score from line 27 for all watersheds evaluated, subject to a maximum of 100)		0.00

a Maximum value applies to waste characteristics category.

b Maximum value not applicable.

c Do not round to nearest integer.

## SOIL EXPOSURE PATHWAY SCORESHEET

Factor Categories and Factors

Maximum ValueValue Assigned

## Resident Population Threat

## Likelihood of Exposure

1. Likelihood of Exposure	550	550
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## Waste Characteristics

2. Toxicity	(a)	10,000.00
3. Hazardous Waste Quantity	(a)	10.00
4. Waste Characteristics	100	18.00

## Targets

5. Resident Individual	50	0
6. Resident Population		
6a. Level I Concentrations	(b)	0.00
6b. Level II Concentrations	(b)	0.00
6c. Resident Population [Lines 6a + 6b]	(b)	0.00
7. Workers	15	5
8. Resources	5	0
9. Terrestrial Sensitive Environments	(c)	0
10. Targets [Lines 5 + 6c + 7 + 8 + 9]	(b)	5.00

## Resident Population Threat Score

11. Resident Population Threat [Lines 1 x 4 x 10]	(b)	49,500.00
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## Nearby Population Threat

## Likelihood of Exposure

12. Attractiveness/Accessibility	100	5
13. Area of Contamination	100	5
14. Likelihood of Exposure	500	5

## Waste Characteristics

15. Toxicity	(a)	10,000.00
16. Hazardous Waste Quantity	(a)	10.00
17. Waste Characteristics	100	18.00

## Targets

18. Nearby Individual	1	1
19. Population Within 1 Mile	(b)	94.00
20. Targets [Lines 18 + 19]	(b)	95.00

## Nearby Population Threat Score

21. Nearby Population Threat [Lines 14 x 17 x 20]	(b)	8,550.00
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## Soil Exposure Pathway Score

22. Soil Exposure Pathway Score (Ss)	100	0.70
[Lines (11 + 21) / 82,500, subject to a max of 100]		

a Maximum value applies to waste characteristics category.

b Maximum value not applicable.

c No specific maximum value applies to factor. However, pathway score based solely on terrestrial sensitive environments is limited to maximum of 60.

d Do not round to the nearest integer.